

## **2020 Water Quality Report Town of Ridgeland System # 2710001**

We're pleased to provide you with this year's Water Quality Report. We want to keep you informed about the water and services we have delivered to you over the past year. Our goal is to provide to you a safe and dependable supply of drinking water. We are committed to ensuring the quality of your water. The source of our water is ground water from three active wells.

A Source Water Assessment Plan has been prepared for our system. If you have any questions about this report or concerning your water utility, please contact Ty Shaffer at (843) 226-0312. We want you, our neighbors and valued customers, to be informed about your water utility. Feel free to attend any of our regularly scheduled meetings on the second Tuesday of each month at 6:30 pm at the Town Hall.

This report shows our water quality and what it means. The Town of Ridgeland routinely monitors for constituents in your drinking water according to Federal and State laws. As water travels over the land or underground, it can pick up substances or contaminants such as microbes and chemicals. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

The table below shows the results of our monitoring for the period of January 1st to December 31st, 2020. In this table you will find the following terms and abbreviations:

**Action Level (AL)** - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Parts per million (ppm)** or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion (ppb)** or **Micrograms per liter** - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

**Maximum Contaminant Level** - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology. MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

**Maximum Contaminant Level Goal** - The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Maximum Residual Disinfectant Level (MRDL)** - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG)** - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Non-Detects (ND)** - laboratory analysis indicates that the constituent is not present.

**Town of Ridgeland #271000**

**REGULATED CONTAMINANTS**

Disinfectants and Disinfection By-Products	Collection Date	Highest average	Range of Levels Detected	MCLG	MCL	Units	Violation (Y/N)	Likely Source of Contamination
Chlorine	2020	RAA 1	0.29 - 1.23	MRDLG 4	MRDL 4	ppm	N	Water additive used to control microbes
Total Trihalomethanes (TTHM)	2020	LRAA 24	24 - 24	No goal for the total	80	ppb	N	By-product of drinking water disinfection

**LEAD AND COPPER TEST RESULTS**

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> percentile	# Sites Over AL	Units	Violation (Y/N)	Likely Source of Contamination
Copper	2019	1.3	1.3	0.18	0	ppm	N	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	2019	0	15	3.5	0	ppb	N	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

**TEST RESULTS**

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation Y/N	Likely Source of Contamination
Fluoride	2020	0.24	0.23-0.24	4	4.0	ppm	N	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum
Nitrate (measured as nitrogen)	2020	.02	0 - .02	10	10	Ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

**UNREGULATED CONTAMINANTS**

NAME	REPORTED LEVEL ppm	RANGE Low - High
Sodium 2020	12	12 - 12

## **Town of Ridgeland #2710001**

All sources of drinking water are subject to potential contamination by substances that are naturally occurring, or man-made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-4264791.

### **If you have special health needs--**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Town of Ridgeland is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your drinking water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

### **Did You Know?**

- ☞ Utility Employees work for you 365 days a year, 7 days a week, 24 hours a day to provide you with good safe water each time your tap is opened.
- ☞ Tap water is the best value for your money. A 16 ounce of bottled water cost about \$1.50, whereas 1000 gallons of tap water cost about \$2.00.
- ☞ The water we have today is all the water there will ever be.
- ☞ Drinking water in the Unites States is among the safest in the world.
- ☞ You can refill an 8-ounce glass of water 15,000 times for the same cost as a 6 pack of soda. And, water has no sugar or caffeine.
- ☞ The average family turns on the tap between 70 and 100 times per day.



Consumer Confidence Report (CCR) Certification Form

Water System Name: Town of Ridgeland

Water System No.: SC2710001 Report Year: 2020 Population Served: 500- <10,000

The Community Water System (CWS) named above hereby confirms that all provisions under R.61-58.12 requiring the development of, distribution of, and notification of a consumer confidence report have been executed. Further, the CWS certifies the information contained in the report is correct and consistent with the compliance monitoring data. In addition, if this report is being used to meet Tier 3 Public Notification requirements, as denoted by the checked box below, the CWS certifies that public notification has been provided to its consumers in accordance with the requirements of R.61-58.6.E(4).

Certified by: Name: Ty Shaffer

Title: Utilities Director

Signature: Ty Shaffer

Phone #: 843-226-0312

Delivery Achieved Date: 6-10-2021

Date Reported to State: 6-17-21

The CCR includes the mandated Public Notice for a monitoring or Tier 3 violation (check box, if yes)

Check all methods used for distribution (see instructions for delivery requirements and methods):

Paper copy to all  US Mail  Hand Delivery

Notification of Availability of Paper Copy (other than in the CCR itself)

Notification Method \_\_\_\_\_ (i.e. US Mail, door hanger)

Notification of CCR URL Direct URL address: [www.ridgelandsc.gov](http://www.ridgelandsc.gov)

Notification Method \_\_\_\_\_ (i.e. on bill, bill stuffer, separate mailing, email)

Direct email delivery of CCR (attached?  or embedded? )

Notification Method \_\_\_\_\_ (i.e. on bill, bill stuffer, separate mailing)

Newspaper (attach PDF copy) What Paper? \_\_\_\_\_ Date Published: \_\_\_\_\_

Notification Method \_\_\_\_\_ (i.e. US Mail, on bill, bill stuffer, door hanger, a postcard dedicated to the CCR, or email)

"Good faith" efforts (in addition to the above required methods) were used to reach non-bill paying consumers such as industry employees, apartment tenants, etc. Extra efforts included the following methods:

posting the CCR on the Internet at URL: \_\_\_\_\_

mailing the CCR to postal patrons within the service area

advertising the availability of the CCR in news media (attach copy of announcement)

publication of the CCR in local newspaper (attach copy)

posting the CCR in public places such as: (attach list if needed) Post Office - Town Hall

delivery of multiple copies to single bill addresses serving several persons such as: apartments, businesses, and large private employers

delivery to community organizations such as: (attach list if needed)

Note: Use of social media (e.g., Twitter or Facebook) or automated phone calls DO NOT meet existing CCR distribution methods under the Rule.

SUBMIT FORM 3999 AND PDF ATTACHMENTS TO: CCR@dhec.sc.gov, Subject Line shall include your 7-digit permit number and your Water System Name. Optional Submission to DHEC via Fax at 803-898-3795 or mail to ATTN: CCR RULE MANAGER, Bureau of Water, 2600 Bull Street, Columbia, SC, 29201.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL